

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
 Data File : BP025232.D
 Acq On : 23 Jul 2025 21:01
 Operator : CG/JU
 Sample : Q2638-11RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-36-071725RE

Quant Time: Jul 24 01:51:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 22 02:55:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/24/2025
 Supervised By :Jagrut Upadhyay 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	575379	20.000	ng	0.00
21) Naphthalene-d8	10.178	136	2315413	20.000	ng	0.00
39) Acenaphthene-d10	14.084	164	1495507	20.000	ng	0.00
64) Phenanthrene-d10	16.895	188	2979918	20.000	ng	0.00
76) Chrysene-d12	21.330	240	3088654	20.000	ng	0.00
86) Perylene-d12	24.477	264	3678852	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	2082221	61.146	ng	0.00
7) Phenol-d6	6.643	99	2695732	63.916	ng	0.00
23) Nitrobenzene-d5	8.560	82	1654992	39.722	ng	0.00
42) 2,4,6-Tribromophenol	15.619	330	1427688	64.756	ng	0.00
45) 2-Fluorobiphenyl	12.678	172	4266265	40.218	ng	0.00
79) Terphenyl-d14	19.666	244	6300995	40.271	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.795	152	306843	2.241	ng	100
71) Phenanthrene	16.936	178	343008	2.134	ng	97
75) Fluoranthene	19.042	202	1167720	6.173	ng	100
78) Pyrene	19.413	202	1493709	7.843	ng	98
81) Benzo(a)anthracene	21.313	228	1110213m	5.692	ng	
83) Chrysene	21.371	228	1205052	6.618	ng	97
87) Indeno(1,2,3-cd)pyrene	27.989	276	926563	3.447	ng	# 96
88) Benzo(b)fluoranthene	23.477	252	1483999	7.047	ng	# 97
89) Benzo(k)fluoranthene	23.542	252	484279m	2.329	ng	
90) Benzo(a)pyrene	24.324	252	1283045	6.245	ng	97
92) Benzo(g,h,i)perylene	29.089	276	921401	4.275	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

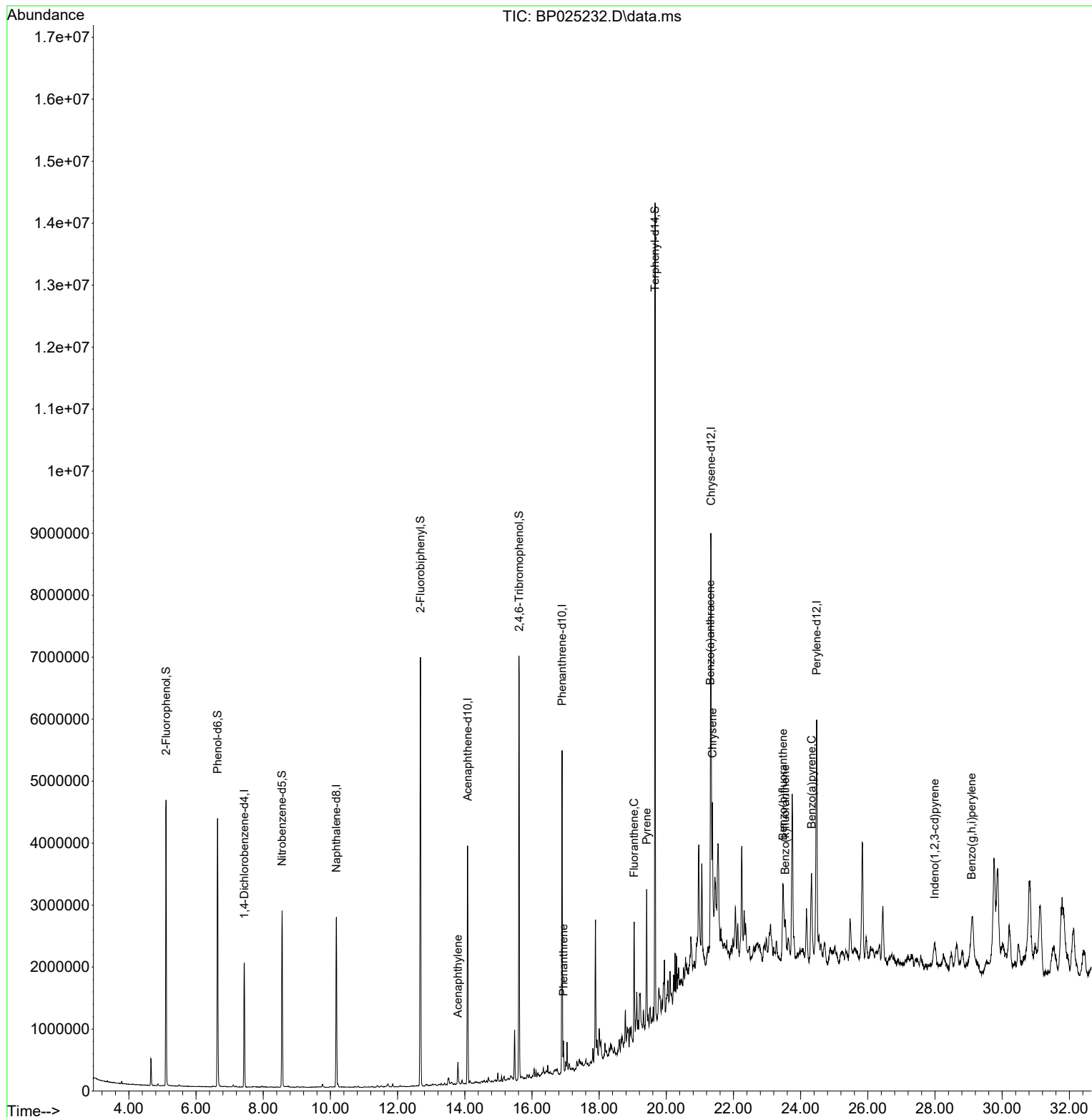
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Data File : BP025232.D
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BNA_P
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OU4-TS-36-071725RE

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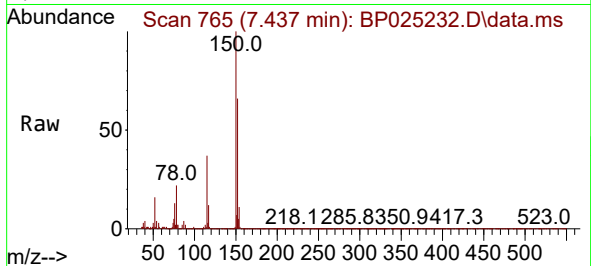
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 70
Delta R.T. 0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

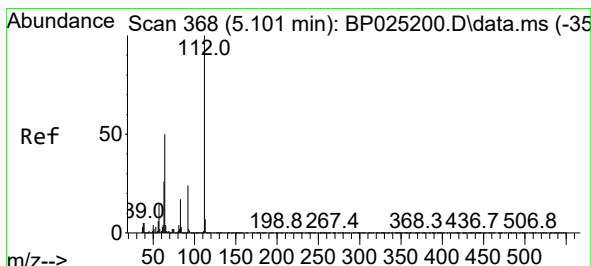
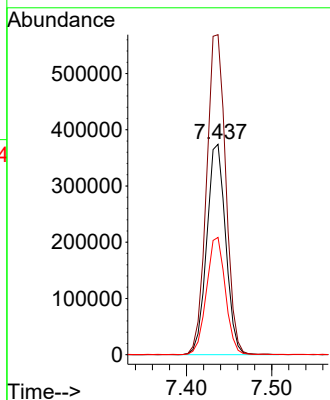
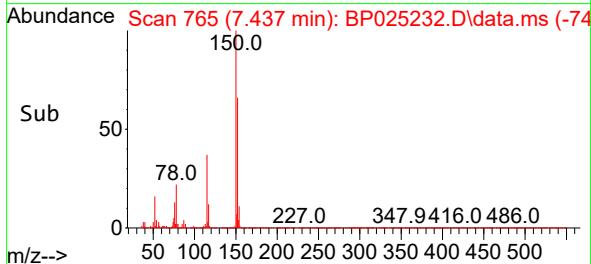
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



Tgt Ion:152 Resp: 575379
Ion Ratio Lower Upper
152 100
150 152.1 121.9 182.9
115 55.7 43.0 64.6

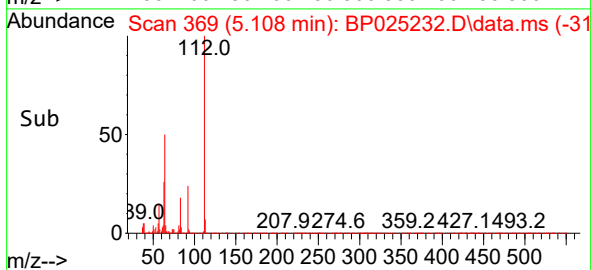
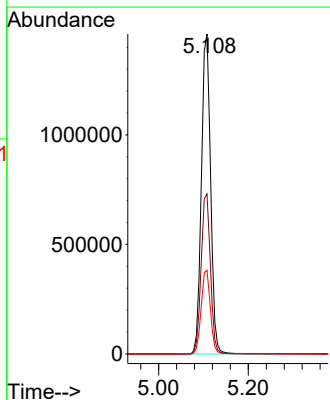
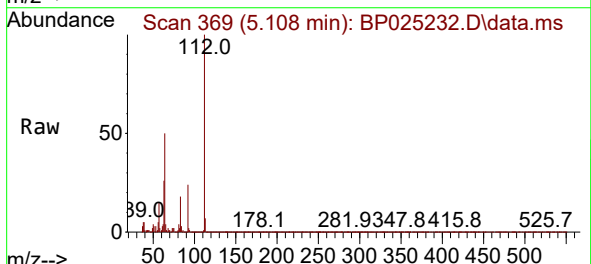
Manual Integrations
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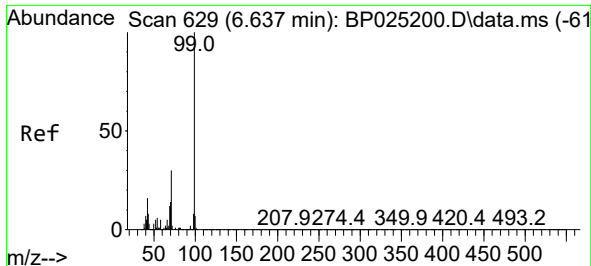
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#5
2-Fluorophenol
Concen: 61.146 ng
RT: 5.108 min Scan# 369
Delta R.T. 0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

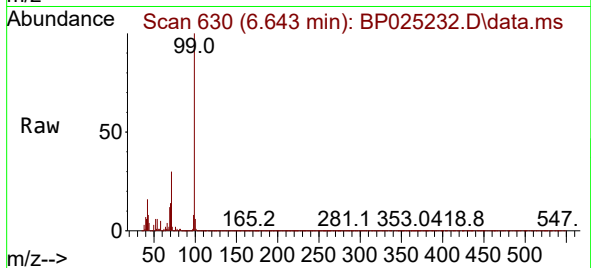
Tgt Ion:112 Resp: 2082221
Ion Ratio Lower Upper
112 100
64 50.0 39.8 59.6
63 26.2 20.5 30.7





#7
Phenol-d6
Concen: 63.916 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

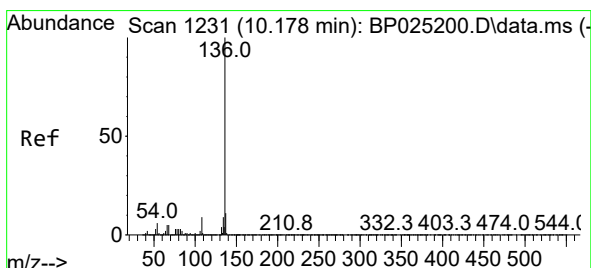
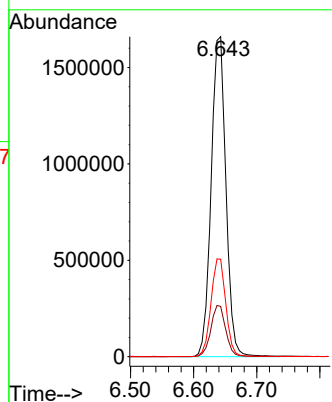
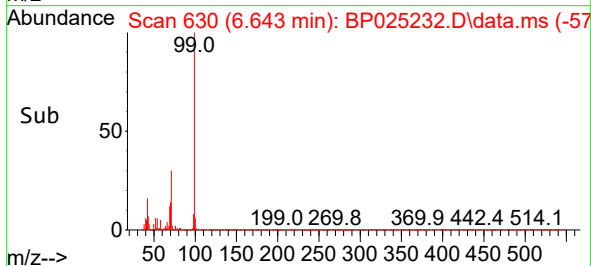
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



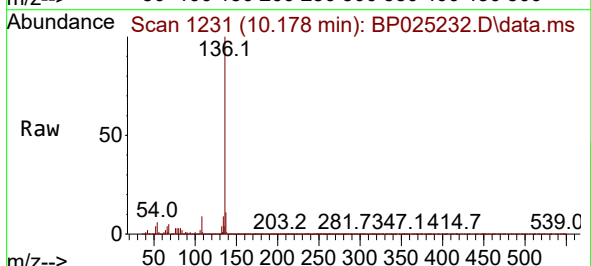
Tgt Ion: 99 Resp: 269573
Ion Ratio Lower Upper
99 100
42 15.7 12.5 18.7
71 30.4 24.2 36.2

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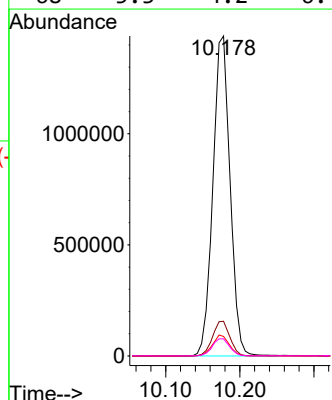
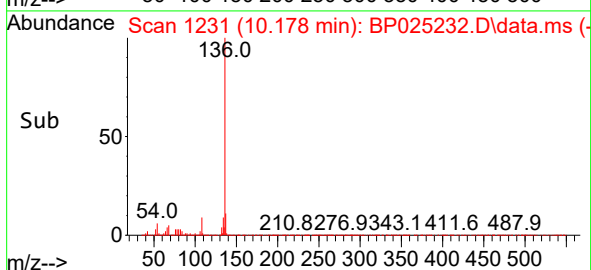
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.178 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01



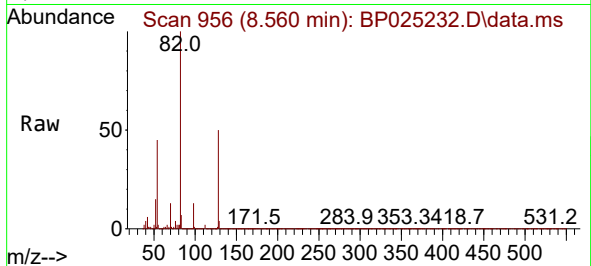
Tgt Ion:136 Resp: 2315413
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.1 5.1 7.7
68 5.3 4.2 6.4





#23
Nitrobenzene-d5
Concen: 39.722 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

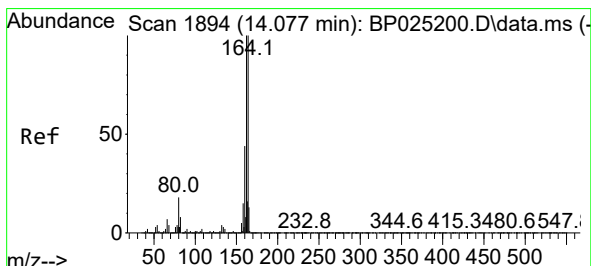
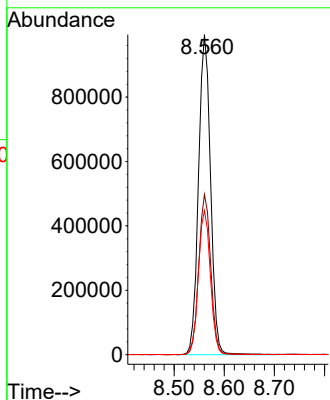
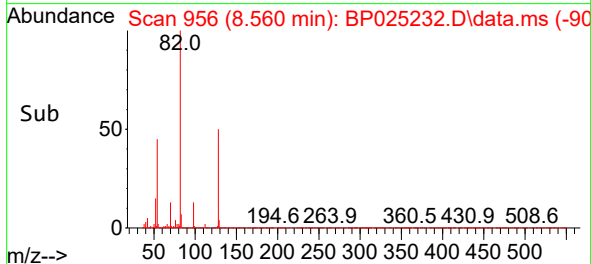
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



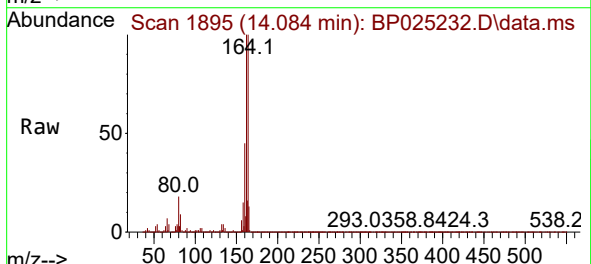
Tgt Ion: 82 Resp: 1654992
Ion Ratio Lower Upper
82 100
128 50.0 40.2 60.4
54 45.0 36.3 54.5

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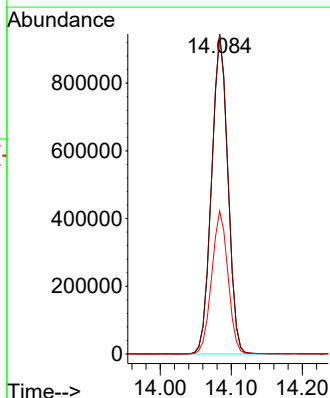
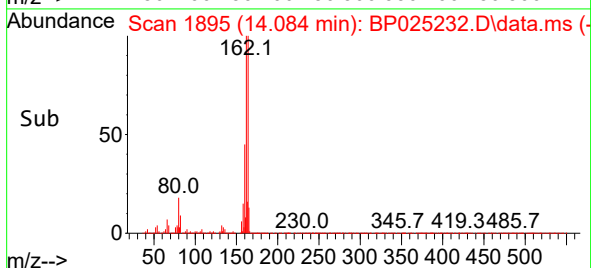
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

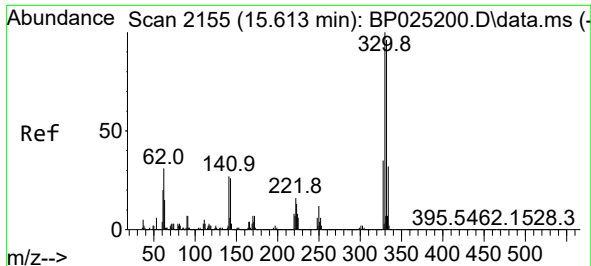


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.084 min Scan# 1895
Delta R.T. 0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01



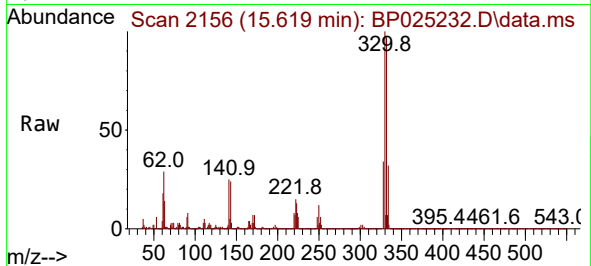
Tgt Ion:164 Resp: 1495507
Ion Ratio Lower Upper
164 100
162 100.0 80.3 120.5
160 44.7 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 64.756 ng
RT: 15.619 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

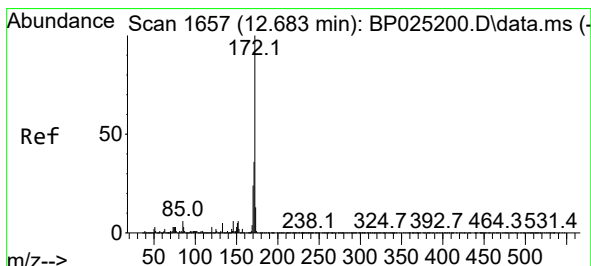
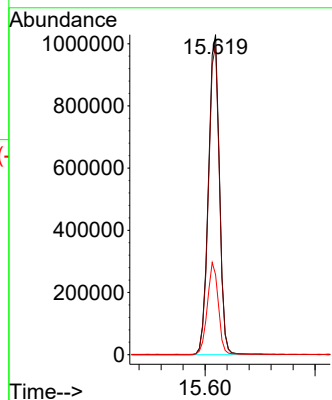
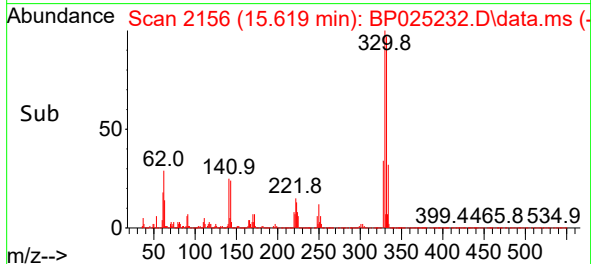
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



Tgt Ion: 330 Resp: 1427688
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 28.3 22.4 33.6

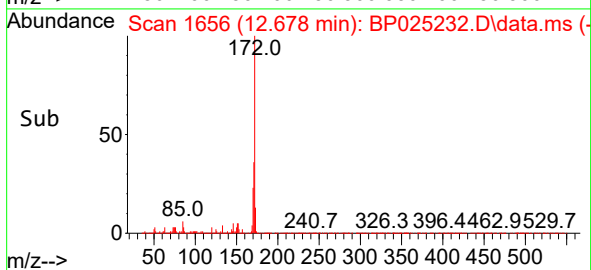
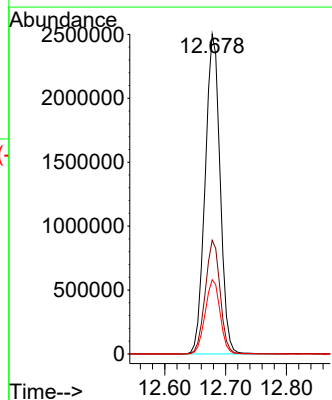
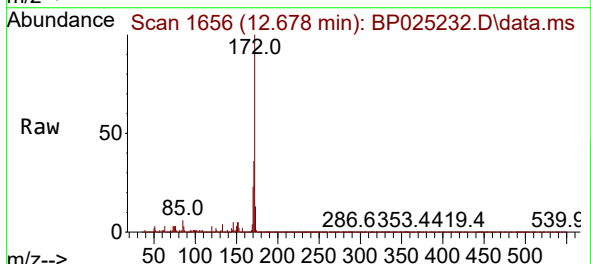
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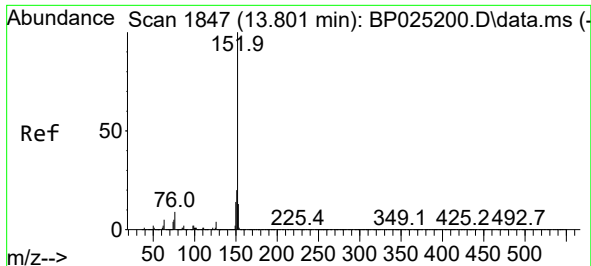
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#45
2-Fluorobiphenyl
Concen: 40.218 ng
RT: 12.678 min Scan# 1656
Delta R.T. -0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

Tgt Ion: 172 Resp: 4266265
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.2 19.2 28.8





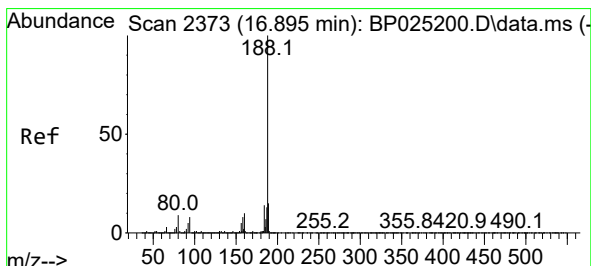
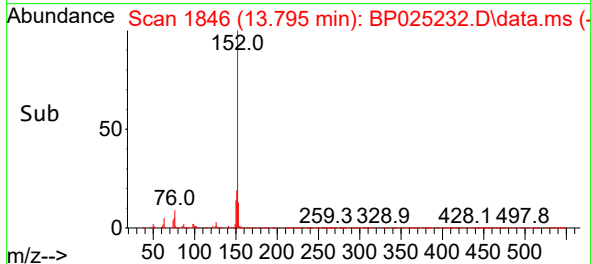
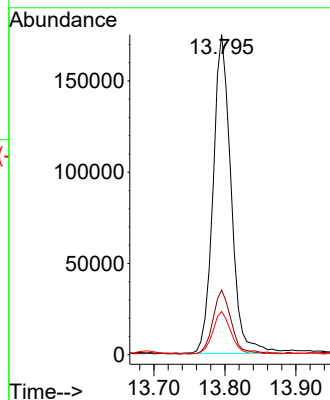
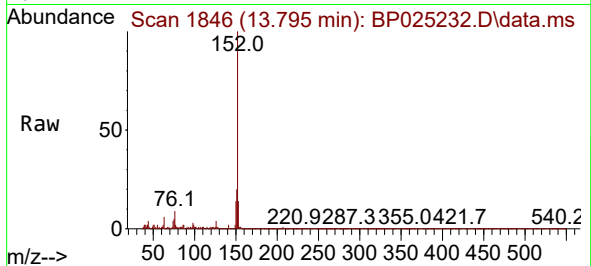
#49
Acenaphthylene
Concen: 2.241 ng
RT: 13.795 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE

Tgt Ion:152 Resp: 30684
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.5 10.6 15.8

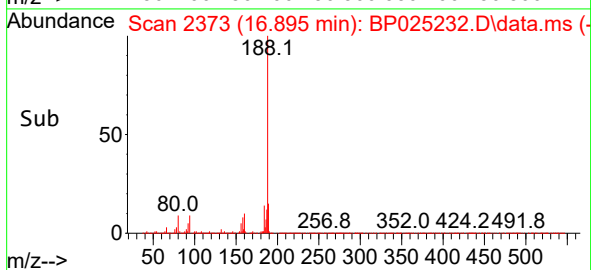
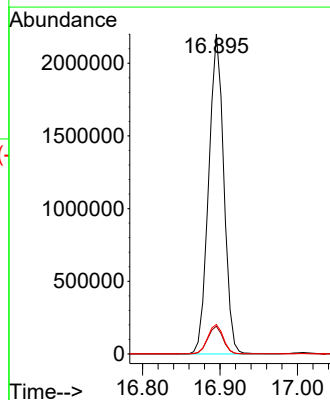
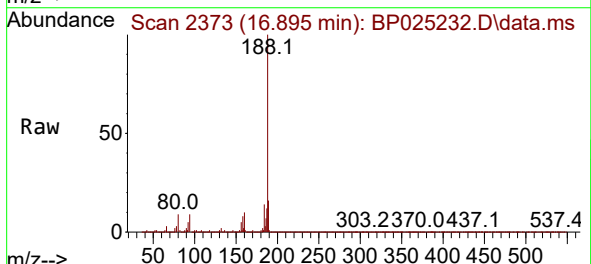
Manual Integrations
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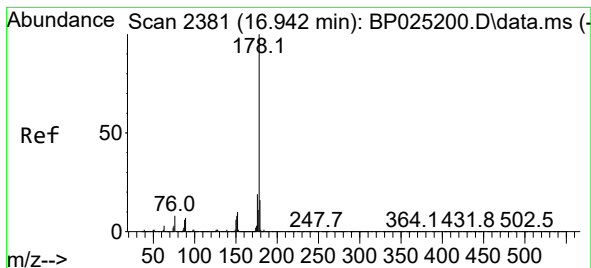
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.895 min Scan# 2373
Delta R.T. 0.000 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

Tgt Ion:188 Resp: 2979918
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.2 7.3 10.9





#71

Phenanthrene

Concen: 2.134 ng

RT: 16.936 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

Tgt Ion:178 Resp: 343008

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

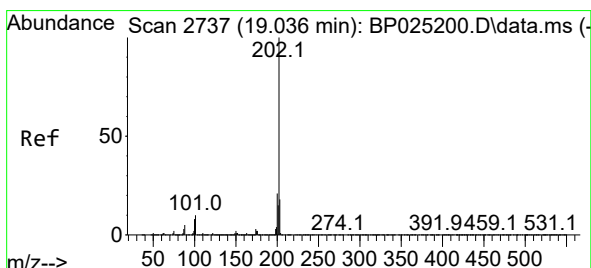
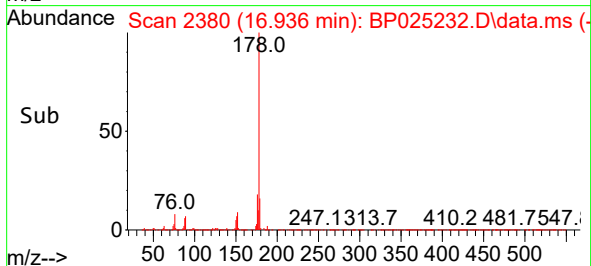
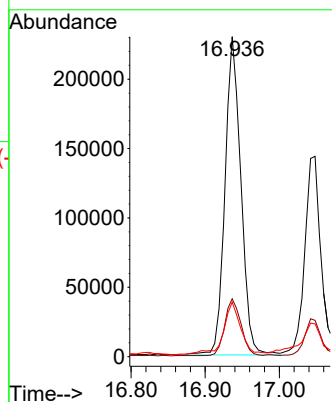
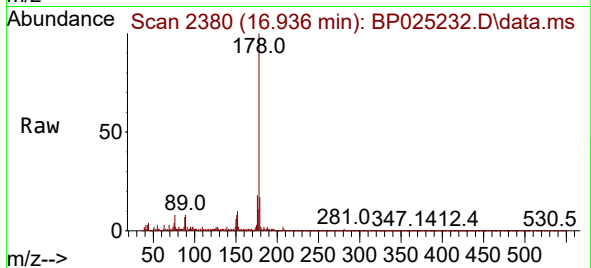
179 17.1 12.5 18.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#75

Fluoranthene

Concen: 6.173 ng

RT: 19.042 min Scan# 2738

Delta R.T. 0.006 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

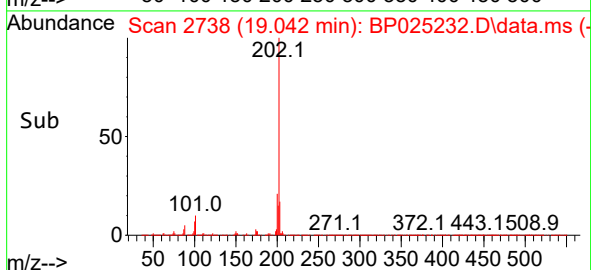
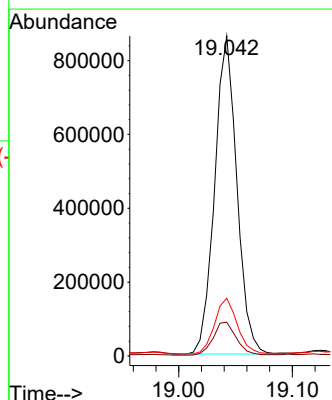
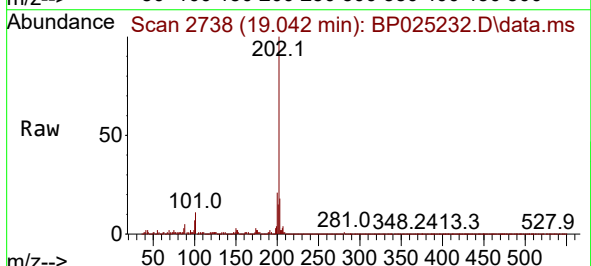
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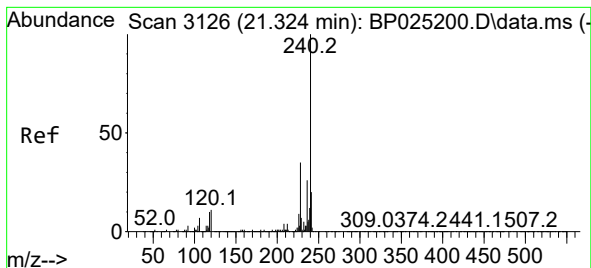
Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.3

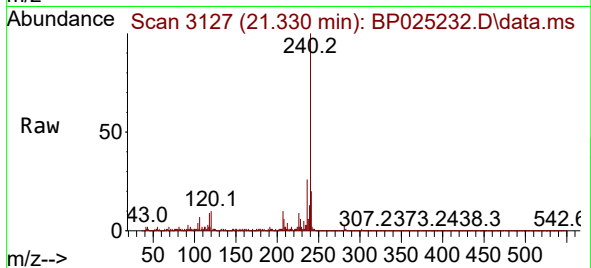
203 18.1 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.330 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

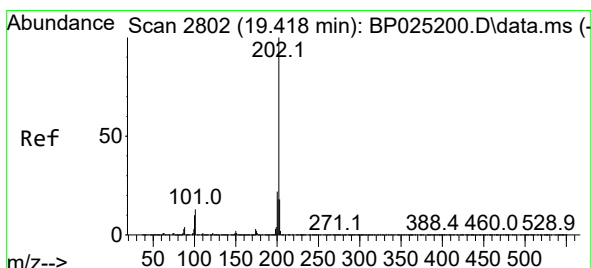
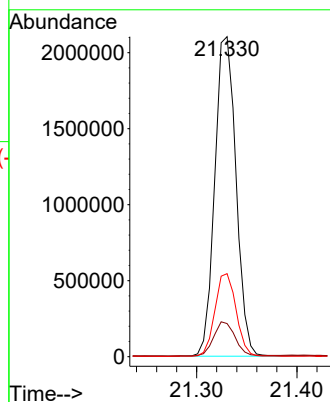
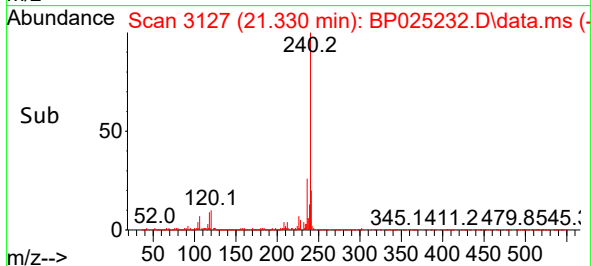
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



Tgt Ion:240 Resp: 3088654
Ion Ratio Lower Upper
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120 10.4 8.8 13.2
236 26.0 20.9 31.3

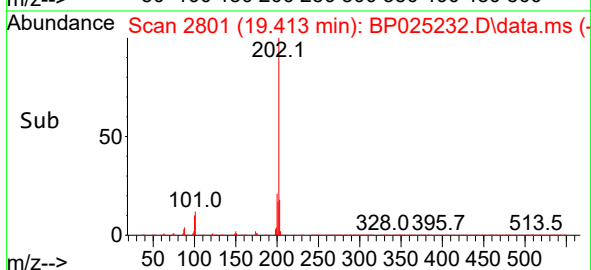
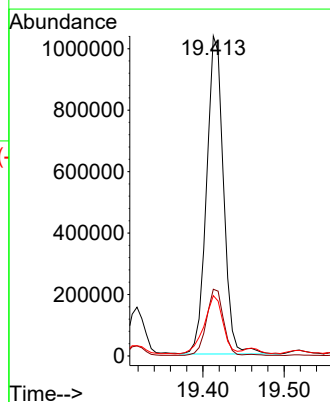
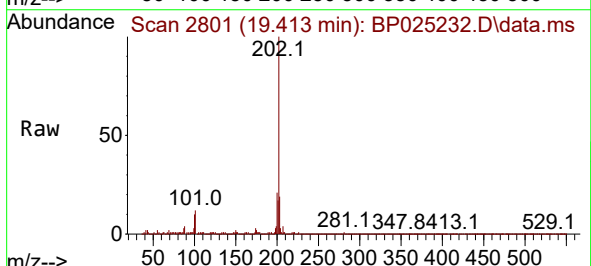
Manual Integrations
APPROVED

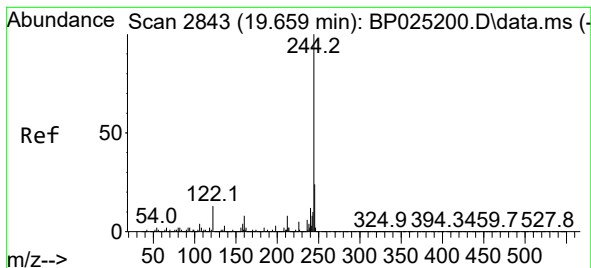
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#78
Pyrene
Concen: 7.843 ng
RT: 19.413 min Scan# 2801
Delta R.T. -0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

Tgt Ion:202 Resp: 1493709
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 18.8 14.3 21.5





#79

Terphenyl-d14

Concen: 40.271 ng

RT: 19.666 min Scan# 21

Delta R.T. 0.007 min

Lab File: BP025232.D

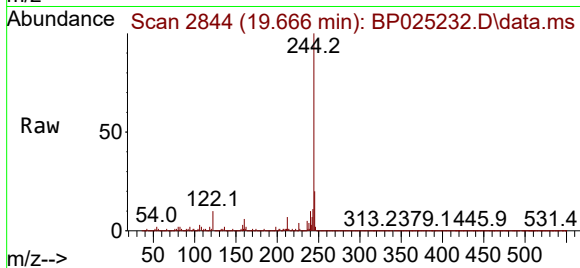
Acq: 23 Jul 2025 21:01

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE



Tgt Ion:244 Resp: 630099

Ion Ratio Lower Upper

244 100

212 6.6 6.6 9.8

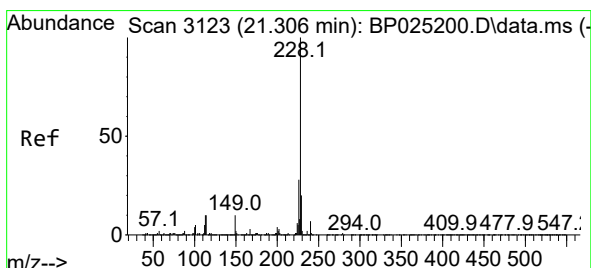
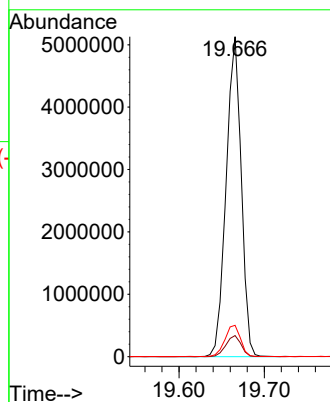
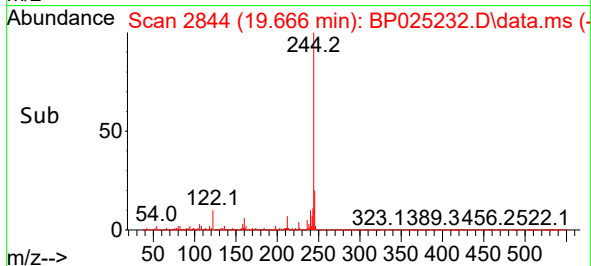
122 9.8 10.3 15.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#81

Benzo(a)anthracene

Concen: 5.692 ng m

RT: 21.313 min Scan# 3124

Delta R.T. 0.006 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

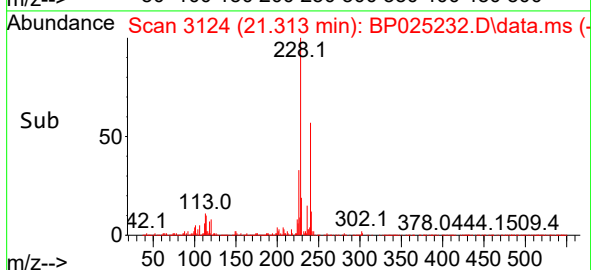
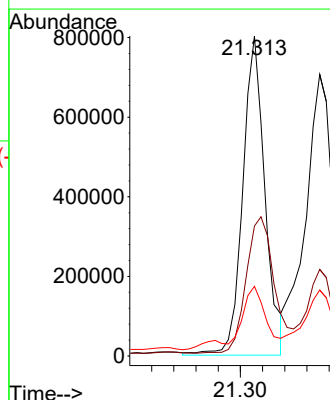
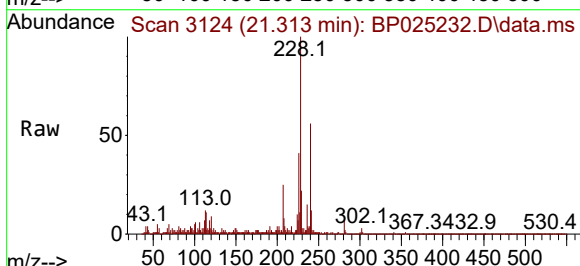
Tgt Ion:228 Resp: 1110213

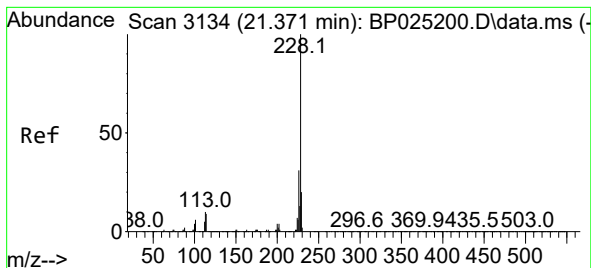
Ion Ratio Lower Upper

228 100

226 40.6 22.3 33.5#

229 21.7 16.2 24.2





#83

Chrysene

Concen: 6.618 ng

RT: 21.371 min Scan# 3134

Delta R.T. 0.000 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

Tgt Ion:228 Resp: 1205052

Ion Ratio Lower Upper

228 100

226 30.7 24.6 37.0

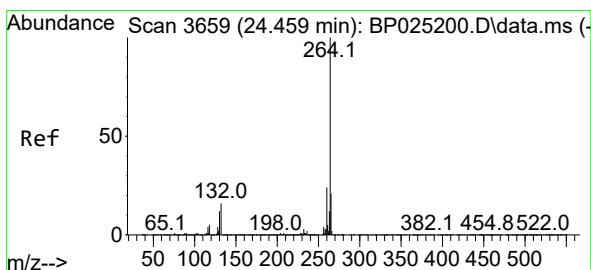
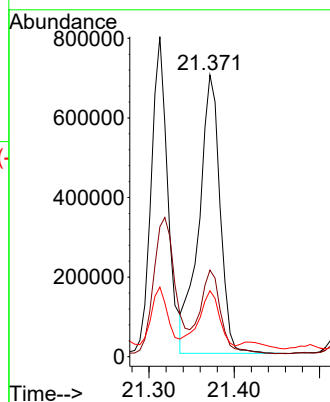
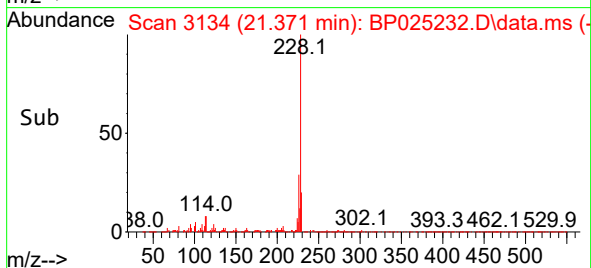
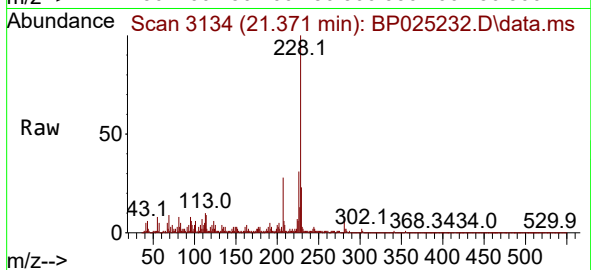
229 23.4 16.0 24.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.477 min Scan# 3662

Delta R.T. 0.018 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

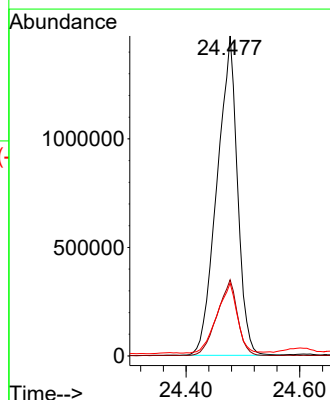
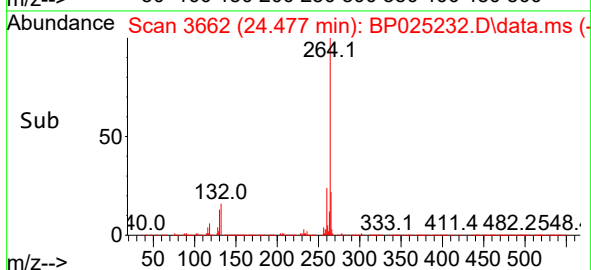
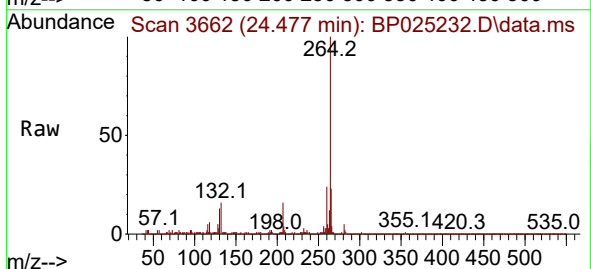
Tgt Ion:264 Resp: 3678852

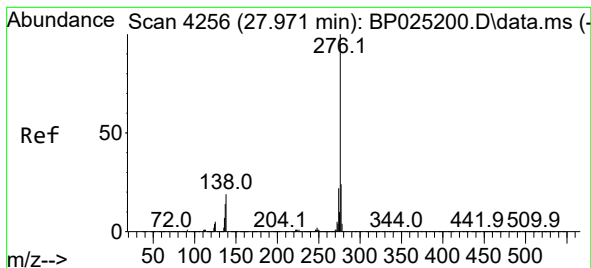
Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 22.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.447 ng

RT: 27.989 min Scan# 4259

Delta R.T. 0.018 min

Lab File: BP025232.D

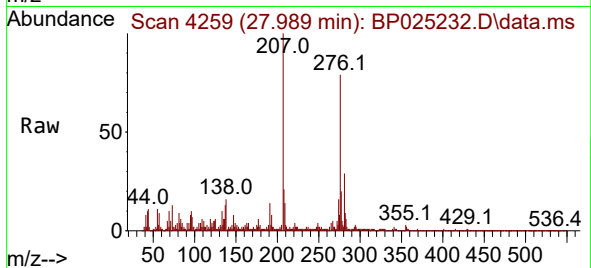
Acq: 23 Jul 2025 21:01

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE



Tgt Ion:276 Resp: 92656

Ion Ratio Lower Upper

276 100

138 20.7 12.8 19.2

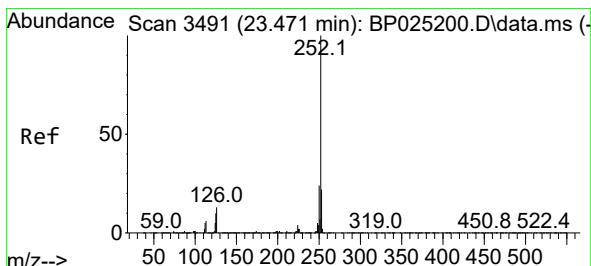
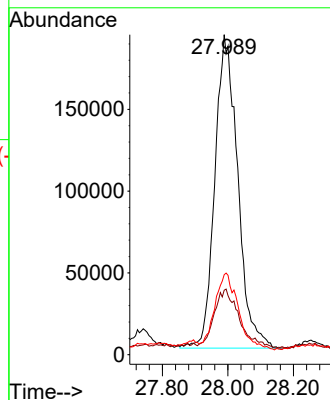
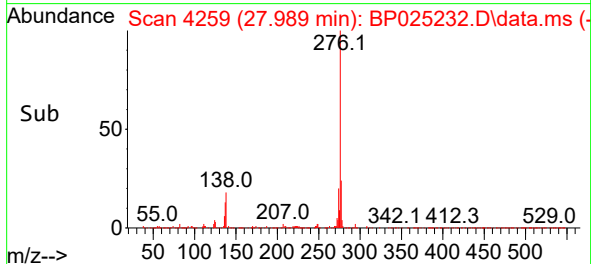
277 25.5 20.3 30.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#88

Benzo(b)fluoranthene

Concen: 7.047 ng

RT: 23.477 min Scan# 3492

Delta R.T. 0.006 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

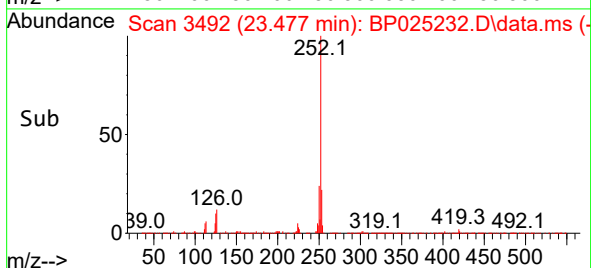
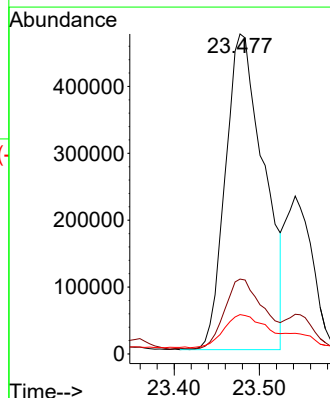
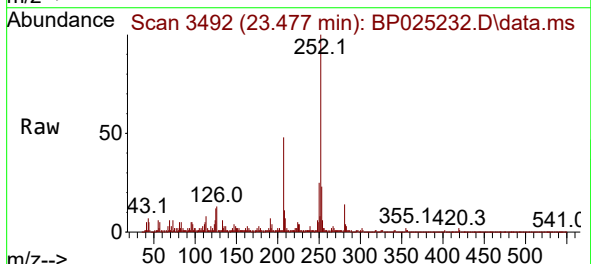
Tgt Ion:252 Resp: 1483999

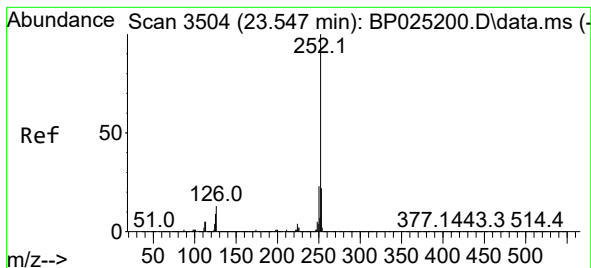
Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

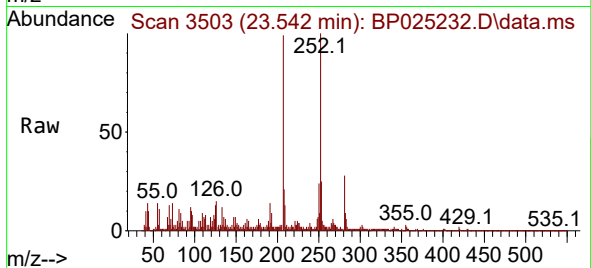
125 12.3 7.8 11.8





#89
Benzo(k)fluoranthene
Concen: 2.329 ng m
RT: 23.542 min Scan# 3504
Delta R.T. -0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

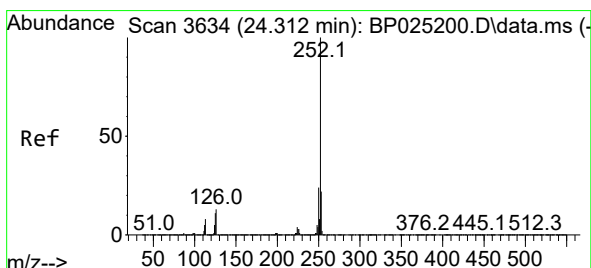
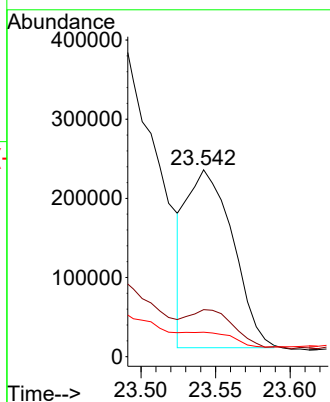
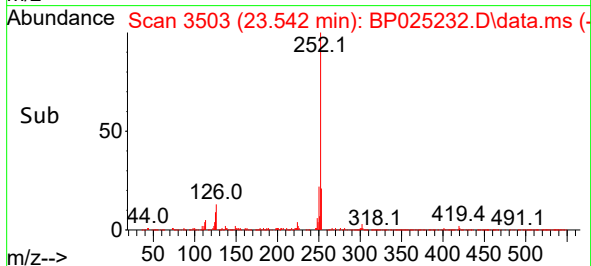
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



Tgt Ion:252 Resp: 484279
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.6
125 13.1 7.5 11.3

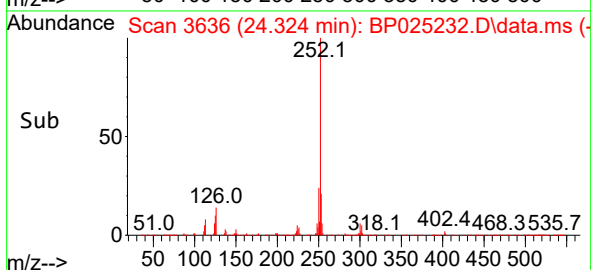
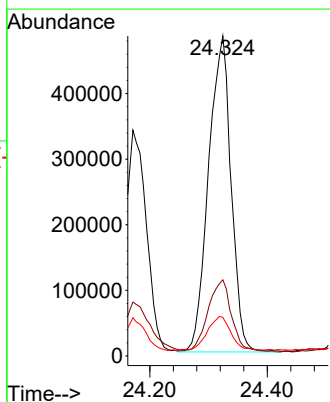
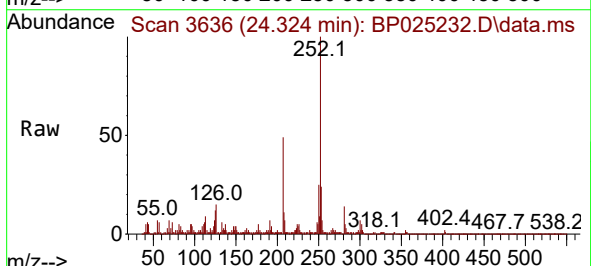
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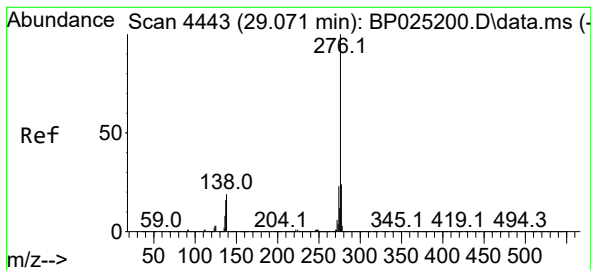
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#90
Benzo(a)pyrene
Concen: 6.245 ng
RT: 24.324 min Scan# 3636
Delta R.T. 0.012 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

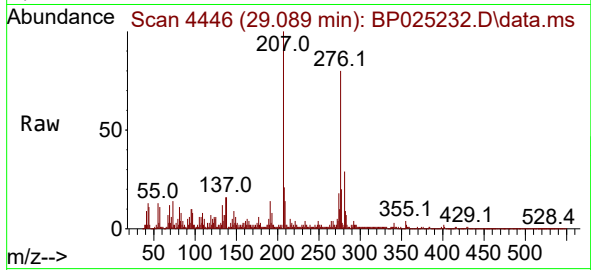
Tgt Ion:252 Resp: 1283045
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 12.1 8.6 12.8





#92
Benzo(g,h,i)perylene
Concen: 4.275 ng
RT: 29.089 min Scan# 4446
Delta R.T. 0.018 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



Tgt Ion: 276 Resp: 92140
Ion Ratio Lower Upper
276 100
277 24.7 19.2 28.8
138 19.9 15.4 23.2

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Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

